

*Application No. 10/511,154  
Reply dated July 31, 2008  
Reply to Office Action of March 3, 2008*

*Docket No. 0020-5309PUSI  
Art Unit: 1661  
Page 2 of 21*

**AMENDMENTS TO THE CLAIMS**

1. (Withdrawn) An equipment for transforming plants which comprises:

a microporous body having a surface on which a plant seed is germinated and grown into a plant body, wherein the plant seed is germinated and grown by absorbing an aqueous nutrition which is retained in communicating pores in the microporous body from the surface of the microporous body; and

a carrier solution containing a gene with which the plant body is transformed, wherein the grown plant body is transformed by immersing it in the carrier solution according to an in planta method.

2. (Withdrawn) The equipment for transforming plants according to claim 1, wherein the in plant method is a vacuum infiltration transformation.

3. (Currently Amended) A system for transforming plants which comprises:

a plurality of microporous bodies, each microporous body having a surface on which a plant seed is independently germinated and grown into a plant body; and

a holding means for removably holding the plurality of microporous bodies,